

**Flood Control Project Maintenance
Levee Inspections**

Fall 2015 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD0017	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.					
Reclamation District No. 0017 Mossdale	M *	16.03						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.03	0.01	0.07	0.44%	0.02			
Trim / Thin Trees	0.01		0.01	0.06%				
<i>Supplemental</i>								
DWR Erosion Survey	0.04	0.01	0.08	0.50%				
DWR UCIP Field Study					0.60	0.08		
<i>LMA Totals:</i>	0.08	0.02	0.16	1.00% *	0.62	0.08	0.00	0.00
Unit No. 01 French Camp Slough LB	Overall Unit Rating	Total Unit Miles						
RD0017	A	1.76						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Supplemental</i>								
DWR UCIP Field Study					0.04	0.01		
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.04	0.01	0.00	0.00
Unit No. 02 San Joaquin River RB	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.					
RD0017	M *	14.27						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.03	0.01	0.07	0.49%	0.02			
Trim / Thin Trees	0.01		0.01	0.07%				
<i>Supplemental</i>								
DWR Erosion Survey	0.04	0.01	0.08	0.56%				
DWR UCIP Field Study					0.56	0.07		
<i>Unit Totals:</i>	0.08	0.02	0.16	1.12% *	0.58	0.07	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2015 Levee Inspection Results

Reclamation District No. 0017 Mossdale

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			M	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Reclamation District No. 0017 Mossdale

Waterway			Bank	Unit Miles
Unit No. 01 French Camp Slough			Left	1.76
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/14/2015 - 04/14/2015		10/15/2015 - 10/15/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By	Robert Winter KSN		Robert Winter KSN	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	10/15/2015 10/15/2015	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Operations & Maintenance Manuals				o		o
					o		o
DWR ID	DWR_RD0017_01_s _ 2013_1						
Action/Comments							
Inspector Comments: LMA has a copy of the manual on file.							

No Photos

LM Start	0.00	Rating **	A	Issue No.	2	
LM End	0.00	Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Emergency Supplies & Equipment					°
						°
DWR ID	DWR_RD0017_01_s _ 2013_2					
Action/Comments						
Inspector Comments: LMA has adequate flood fight supplies.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_RD0017_01_s _ 2013_3				
Action/Comments					
Inspector Comments: District staff are involved in yearly training sponsored by DWR.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	10/15/2015 10/15/2015	Richard Willoughby

LM Start	0.03	Rating **	M	Issue No.	7
LM End	0.03	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.911561 °	37.911561 °
				-121.291441 °	-121.291441 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:40603
 DS_ID:1
 EP_NO: 6623
 FS_HLM: 0.02
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Marker missing on landward side. Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition.
 FIELD_STRUCT_DESC: 5-inch diameter welded steel natural gas pipeline through the levees, 4.5 feet below the crown, across the channels and overflow area. (Permit No. 6623-1969)
 FS Date: 02/03/2010

LM Start	0.03	Rating **	M	Issue No.	7 (cont)
LM End	0.03	Issue Type +	En	Location *	N/A

Photo 1 of 3 : UCIP_FA_2015_0698.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2015_0699.jpg



View of levee crown at crossing. Marker for line visible on waterward shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	10/15/2015 10/15/2015	Richard Willoughby

LM Start	0.03	Rating **	M	Issue No.	7 (cont)
LM End	0.03	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.911561 °	37.911561 °
				-121.291441 °	-121.291441 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40603 DS_ID:1 EP_NO: 6623 FS_HLM: 0.02 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_0700.jpg



View of waterward side.

LM Start	0.15	Rating **	U	Issue No.	8
LM End	0.15	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.912850 °	37.912850 °
				-121.292910 °	-121.292910 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46010 DS_ID:72 EP_NO: 15185 FS_HLM: 0.15 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Need to install gasoline markers. FIELD_STRUCT_DESC: 8-inch-diameter soil proofed steel gas main through the left bank levee and under the channel of French Camp Slough. The pipeline has a minimum cover of 5 feet within the overflow areas and under the channel. (Permit No. 15185-1989) FS Date: 05/19/2015					

Photo 1 of 3 : UCIP_FA_2015_6721.jpg



LS crown. No gasoline markers.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	10/15/2015 10/15/2015	Richard Willoughby

LM Start	0.15	Rating **	U	Issue No.	8 (cont)
LM End	0.15	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.912850 °	37.912850 °
				-121.292910 °	-121.292910 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:46010
 DS_ID:72
 EP_NO: 15185
 FS_HLM: 0.15
 Repair Type: Urgent
 Crossing Status: Indicator Found
 UCIP Comments: Need to install gasoline markers.
 FIELD_STRUCT_DESC: 8-inch-diameter soil proofed steel gas main through the left bank levee and under the channel of French Camp Slough. The pipeline has a minimum cover of 5 feet within the overflow areas and under the channel. (Permit No. 15185-1989)
 FS Date: 05/19/2015

LM Start	0.15	Rating **	U	Issue No.	8 (cont)
LM End	0.15	Issue Type +	En	Location *	N/A

Photo 2 of 3 : UCIP_FA_2015_6722.jpg



WS Slope. No gasoline markers.

Photo 3 of 3 : UCIP_FA_2015_6723.jpg



Gas access lid in sidewalk Approximately 200-feet to west of crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	10/15/2015 10/15/2015	Richard Willoughby

LM Start	0.88	Rating **	A/W	Issue No.	6
LM End	0.97	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.915087 °	37.915295 °
				-121.304833 °	-121.306385 °
DWR ID	DWR_RD0017_01_s _ 2013_6				
Action/Comments					
Environmental Requirements.					

No Photos

LM Start	1.31	Rating **	M	Issue No.	9
LM End	1.31	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.915928 °	37.915928 °
				-121.312471 °	-121.312471 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40606 DS_ID:158 EP_NO: 14992 FS_HLM: 1.33 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Also need date of last inspection. FIELD_STRUCT_DESC: 3 of 3. A 12-inch diameter HDPE sewer force main (SFM). All pipes encased in concrete at approximately 32 feet below levee crown. (Permit No. 14992-1989) FS Date: 02/03/2010					

Photo 1 of 3 : UCIP_FA_2015_2333.jpg



Manhole visible on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	10/15/2015 10/15/2015	Richard Willoughby

LM Start	1.31	Rating **	M	Issue No.	9 (cont)	
LM End	1.31	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.915928 °	37.915928 °	
				-121.312471 °	-121.312471 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:40606						
DS_ID:158						
EP_NO: 14992						
FS_HLM: 1.33						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Need to contact owner to determine status of crossing. Also need date of last inspection.						
FIELD_STRUCT_DESC: 3 of 3. A 12-inch diameter HDPE sewer force main (SFM). All pipes encased in concrete at approximately 32 feet below levee crown. (Permit No. 14992-1989)						
FS Date: 02/03/2010						

LM Start	1.31	Rating **	M	Issue No.	9 (cont)
LM End	1.31	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_2336.jpg



View of landward side.

Photo 3 of 3 : UCIP_FA_2015_2338.jpg



View of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	10/15/2015 10/15/2015	Richard Willoughby

LM Start	1.31	Rating **	M	Issue No.	10
LM End	1.31	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.915928 °	37.915928 °
				-121.312471 °	-121.312471 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40605					
DS_ID:159					
EP_NO: 14992					
FS_HLM: 1.33					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

LM Start	1.31	Rating **	M	Issue No.	10 (cont)
LM End	1.31	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_2335.jpg



View of landward toe--established neighborhood.

Photo 2 of 3 : UCIP_FA_2015_2337.jpg



Overview of levee at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	10/15/2015 10/15/2015	Richard Willoughby

LM Start	1.31	Rating **	M	Issue No.	10 (cont)
LM End	1.31	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.915928 °	37.915928 °
				-121.312471 °	-121.312471 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40605					
DS_ID:159					
EP_NO: 14992					
FS_HLM: 1.33					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP_FA_2015_2339.jpg



Manhole for sanitary sewer visible on landward side.

LM Start	1.31	Rating **	M	Issue No.	11
LM End	1.31	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.915928 °	37.915928 °
				-121.312471 °	-121.312471 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40604					
DS_ID:2					
EP_NO: 14992					
FS_HLM: 1.33					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to determine status of crossing. Also need date of last inspection.					
FIELD_STRUCT_DESC: 1 of 3. 30-inch diameter HDPE sewer force main (SFM). All pipes encased in concrete at approximately 32 feet below levee crown. (Permit No. 14992-1989)					
FS Date: 02/03/2010					

Photo 1 of 3 : UCIP_FA_2015_0701.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	10/15/2015 10/15/2015	Richard Willoughby

LM Start	1.31	Rating **	M	Issue No.	11 (cont)
LM End	1.31	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.915928 °	37.915928 °
				-121.312471 °	-121.312471 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:40604 DS_ID:2 EP_NO: 14992 FS_HLM: 1.33 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Also need date of last inspection. FIELD_STRUCT_DESC: 1 of 3. 30-inch diameter HDPE sewer force main (SFM). All pipes encased in concrete at approximately 32 feet below levee crown. (Permit No. 14992-1989) FS Date: 02/03/2010					

LM Start	1.31	Rating **	M	Issue No.	11 (cont)
LM End	1.31	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_0702.jpg



Overview of levee crown at crossing.

Photo 3 of 3 : UCIP_FA_2015_2334.jpg



Manhole found on landward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Reclamation District No. 0017 Mossdale

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River			Right	14.27
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	04/14/2015 - 04/14/2015		10/15/2015 - 10/15/2015	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By	Robert Winter KSN		Robert Winter KSN	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	0.14	Rating **	M	Issue No.	569
LM End	0.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.914335 °	37.914335 °
				-121.322387 °	-121.322387 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:40628

DS_ID:75

EP_NO: 15093

FS_HLM: 0.1426

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: Only appurtenances remaining at this location--4 pillings located on waterward side. According to records the pillings were to be removed under a completion maintenance contract. Need to coordinate with owner.

FIELD_STRUCT_DESC: 14-inch-diameter pipeline through levee at unknown depth. Per inspector's notes "this crossing is abandoned almost all materials removed including pipes, conduit, and pumphouse. The only items left are 4 pilings which are to be removed under a completion maintenance contract. Approximately 200 feet of reinforced concrete pipe lateral removed in R/W south of crossing".

FS Date: 02/03/2010

LM Start	0.14	Rating **	M	Issue No.	569 (cont)
LM End	0.14	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_0557.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2015_2340.jpg



View of waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	0.14	Rating **	M	Issue No.	569 (cont)
LM End	0.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.914335 °	37.914335 °
				-121.322387 °	-121.322387 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40628					
DS_ID:75					
EP_NO: 15093					
FS_HLM: 0.1426					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_2341.jpg



View of waterward side--pillings inside channel.

LM Start	1.08	Rating **	U	Issue No.	2
LM End	1.08	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.902530 °	37.902530 °
				-121.325690 °	-121.325690 °
DWR ID					
Action/Comments					
Inspector Comments: 06/24/2015: No significant change observed. 6/19/2014: No significant change observed. 08/13/2013: No significant change at this site. 08/07/2012: The erosion is nearly vertical, and has developed upward to halfway of the levee slope. The protecting concrete blocks have been washed away. Animal activities are visible. [2015 Site ID:RD0017U02RM44.32]					

Photo 1 of 2 : SJR2015_RD0017U02RM44.32_1.jpg



Front view of the erosion site. Note the concrete blocks and vegetation.

LM Start	1.08	Rating **	U	Issue No.	2 (cont)
LM End	1.08	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SJR2015_RD0017U02RM44.32_3.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	1.16	Rating **	C	Issue No.	78
LM End	1.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.901318 °	37.901318 °
				-121.325522 °	-121.325522 °
DWR ID	DWR_RD0017_02_s _ 2015_78				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Sink hole (4' x 18" x 5')next to pipe.					

No Photos

LM Start	1.16	Rating **	U	Issue No.	570
LM End	1.16	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.901291 °	37.901291 °
				-121.325534 °	-121.325534 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45959					
DS_ID:8					
EP_NO: 15097					
FS_HLM: 1.17					
Repair Type: Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_5971.jpg



(2015) Pipe visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	1.16	Rating **	U	Issue No.	570 (cont)
LM End	1.16	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.901291 °	37.901291 °
				-121.325534 °	-121.325534 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45959 DS_ID:8 EP_NO: 15097 FS_HLM: 1.17 Repair Type: Urgent Crossing Status: Found UCIP Comments: 05/19/15 Hole located on landward toe is still present and covered by dense vegetation. Hole is approximately 6 feet in diameter. 02/10/10 Exposed section of levee on landward side--sink hole located at landward toe. Need to contact owner and DWR inspector to address issue. FIELD_STRUCT_DESC: 8-inch diameter irrigation pipeline through levee. Invert of pipe is 4.0 feet below levee crown. Pump house is located on the waterward slope. Siphon breaker on landward shoulder, standpipe located 10 feet from landward tee. Concrete stairs on waterward slope. (Permit No. 15097-1990) FS Date: 05/19/2015					

LM Start	1.16	Rating **	U	Issue No.	570 (cont)
LM End	1.16	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5972.jpg



(2015) View of waterward side.

Photo 3 of 3 : UCIP_FA_2015_5973.jpg



(2015) 6 foot hole (covered by dense vegetation) is still present on landward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	1.18	Rating **	M	Issue No.	571
LM End	1.18	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.901012 °	37.901012 °
				-121.325497 °	-121.325497 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45450					
DS_ID:308					
EP_NO: N/A					
FS_HLM: 1.19					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

Photo 1 of 2 : UCIP_FA_2015_2567.jpg



No markers on LS.

LM Start	1.18	Rating **	M	Issue No.	571 (cont)
LM End	1.18	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2015_2568.jpg



Sign post on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	1.18	Rating **	M	Issue No.	572
LM End	1.18	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.901012 °	37.901012 °
				-121.325497 °	-121.325497 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45449					
DS_ID:9					
EP_NO: N/A					
FS_HLM: 1.19					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

Photo 1 of 2 : UCIP_FA_2015_2565.jpg



No markers on LS.

LM Start	1.18	Rating **	M	Issue No.	572 (cont)
LM End	1.18	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2015_2566.jpg



Sign on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	1.23	Rating **	M	Issue No.	573
LM End	1.23	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.900242 °	37.900242 °
				-121.325497 °	-121.325497 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45451					
DS_ID:10					
EP_NO: 15098					
FS_HLM: 1.24					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

LM Start	1.23	Rating **	M	Issue No.	573 (cont)
LM End	1.23	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2015_2569.jpg



View of LS. No appurtenances noted.

Photo 2 of 2 : UCIP_FA_2015_2570.jpg



View of WS slope with electrical conduit.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	1.29	Rating **	C	Issue No.	3
LM End	1.29	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.899510 °	37.899510 °
				-121.326030 °	-121.326030 °
DWR ID					
Action/Comments					
Inspector Comments: 06/24/2015: No significant change observed. 06/19/2014: The erosion has been repaired. A minor erosion is still visible near the tree. 08/13/2013: A mid-size tree is present immediately upstream of the erosion, which could block the view of the site. Some debris is visible. [2015 Site ID:RD0017U02RM44.52]					

No Photos

LM Start	1.45	Rating **	M	Issue No.	574
LM End	1.45	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.897280 °	37.897280 °
				-121.326775 °	-121.326775 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40639					
DS_ID:11					
EP_NO: 15316					
FS_HLM: 1.4625					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

Photo 1 of 3 : UCIP_FA_2015_1865.jpg



Siphon breaker located on waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	1.45	Rating **	M	Issue No.	574 (cont)
LM End	1.45	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.897280 °	37.897280 °
				-121.326775 °	-121.326775 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:40639
 DS_ID:11
 EP_NO: 15316
 FS_HLM: 1.4625
 Repair Type: Non-Urgent
 Crossing Status: Indicator Found
 UCIP Comments: Need to contact owner to determine status--pipe was not found only siphon breaker housing unit.
 FIELD_STRUCT_DESC: 8 inch diameter discharge pipeline through levee. Invert of pipe is 3.8 feet below levee crown. Siphon breaker on the waterward shoulder. Pump is located inside ditch located approximately 75 feet landward of levee toe. (Permit No. 15316-1989)
 FS Date: 02/04/2010

LM Start	1.45	Rating **	M	Issue No.	574 (cont)
LM End	1.45	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_1866.jpg



View of landward side.

Photo 3 of 3 : UCIP_FA_2015_1867.jpg



View of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	1.50	Rating **	M	Issue No.	575
LM End	1.50	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.896602 °	37.896602
				-121.327104 °	-121.327104
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40640					
DS_ID:12					
EP_NO: 15099					
FS_HLM: 1.5135					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	1.50	Rating **	M	Issue No.	575 (cont)
LM End	1.50	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_2432.jpg



Standpipe located on landward side.

Photo 2 of 3 : UCIP_FA_2015_6508.jpg



View of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	1.50	Rating **	M	Issue No.	575 (cont)
LM End	1.50	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.896602 °	37.896602 °
				-121.327104 °	-121.327104 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40640					
DS_ID:12					
EP_NO: 15099					
FS_HLM: 1.5135					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_6509.jpg



Concrete irrigation canal located at landward toe just upstream of crossing.

LM Start	2.02	Rating **	M	Issue No.	576
LM End	2.02	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.889622 °	37.889622 °
				-121.328721 °	-121.328721 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40642 DS_ID:14 EP_NO: 15317 FS_HLM: 2.049 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. Need to find out if pipe located on landward side is tied to pipe through levee. Pipe found on waterward side is filled with concrete (non-functional). FIELD_STRUCT_DESC: 10 inch diameter steel stormwater discharge pipeline through levee. Invert of pipe is 4.74 feet below levee crown. Siphon breaker on waterward slope. Pump in ditch located 300 feet landward of toe. Ramp on landward slope. 10 inch pipe connects to an existing 16 inch discharge pipe on the landward side. (Permit No. 15317-1990) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 02/04/2010					

Photo 1 of 2 : UCIP_FA_2015_2529.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	2.02	Rating **	M	Issue No.	576 (cont)	
LM End	2.02	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.889622 °	37.889622 °	
				-121.328721 °	-121.328721 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:40642 DS_ID:14 EP_NO: 15317 FS_HLM: 2.049 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. Need to find out if pipe located on landward side is tied to pipe through levee. Pipe found on waterward side is filled with concrete (non-functional). FIELD_STRUCT_DESC: 10 inch diameter steel stormwater discharge pipeline through levee. Invert of pipe is 4.74 feet below levee crown. Siphon breaker on waterward slope. Pump in ditch located 300 feet landward of toe. Ramp on landward slope. 10 inch pipe connects to an existing 16 inch discharge pipe on the landward side. (Permit No. 15317-1990) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 02/04/2010						

Photo 2 of 2 : UCIP_FA_2015_2530.jpg



View of waterward side--riser located on waterward shoulder.

LM Start	2.05	Rating **	U	Issue No.	577
LM End	2.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.889296 °	37.889296 °
				-121.328847 °	-121.328847 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42875 DS_ID:15 EP_NO: 15101 FS_HLM: 2.0735 Repair Type: Urgent Crossing Status: Found UCIP Comments: Sink hole present at siphon breaker riser located on waterward shoulder. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 16 inch diameter pipeline through levee. Invert of pipe is 4.26 feet below levee crown. Siphon breaker on waterward shoulder. Pump house located on the waterward berm, standpipe located 25 feet from landward toe. Concrete stairway on waterward slope. (Permit No. 15101-1989) FS Date: 02/04/2010					

Photo 1 of 3 : UCIP_FA_2015_2561.jpg



View of landward side.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	2.05	Rating **	U	Issue No.	577 (cont)
LM End	2.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.889296 °	37.889296 °
				-121.328847 °	-121.328847 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42875 DS_ID:15 EP_NO: 15101 FS_HLM: 2.0735 Repair Type: Urgent Crossing Status: Found UCIP Comments: Sink hole present at siphon breaker riser located on waterward shoulder. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 16 inch diameter pipeline through levee. Invert of pipe is 4.26 feet below levee crown. Siphon breaker on waterward shoulder. Pump house located on the waterward berm, standpipe located 25 feet from landward toe. Concrete stairway on waterward slope. (Permit No. 15101-1989) FS Date: 02/04/2010					

Photo 2 of 3 : UCIP_FA_2015_2562.jpg



View of waterward side.

Photo 3 of 3 : UCIP_FA_2015_2563.jpg



View of waterward slope--riser and pipe visible.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	2.23	Rating **	M	Issue No.	578
LM End	2.23	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.887057 °	37.887057 °
				-121.330484 °	-121.330484 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40645					
DS_ID:16					
EP_NO: 15102					
FS_HLM: 2.2607					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	2.23	Rating **	M	Issue No.	578 (cont)
LM End	2.23	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_3775.jpg



Overview of waterward side.

Photo 2 of 3 : UCIP_FA_2015_6511.jpg



Standpipe located on landward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	2.23	Rating **	M	Issue No.	578 (cont)
LM End	2.23	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.887057 °	37.887057 °
				-121.330484 °	-121.330484 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40645					
DS_ID:16					
EP_NO: 15102					
FS_HLM: 2.2607					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_6512.jpg



View of levee crown at crossing.

LM Start	2.49	Rating **	M	Issue No.	579
LM End	2.49	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.883427 °	37.883427 °
				-121.331189 °	-121.331189 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40646 DS_ID:17 EP_NO: 15103 FS_HLM: 2.5224 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 8 inch diameter steel irrigation pipeline through levee. Invert of pipe is 3.47 feet below crown. Siphon breaker on landward shoulder. Pump house on waterward slope, standpipe located 10 feet from landward tee. Concrete stairway on waterward slope. (Permit No. 15103-1990) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 02/04/2010					

Photo 1 of 3 : UCIP_FA_2015_3773.jpg



View of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	2.49	Rating **	M	Issue No.	579 (cont)
LM End	2.49	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.883427 °	37.883427 °
				-121.331189 °	-121.331189 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40646 DS_ID:17 EP_NO: 15103 FS_HLM: 2.5224 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 8 inch diameter steel irrigation pipeline through levee. Invert of pipe is 3.47 feet below crown. Siphon breaker on landward shoulder. Pump house on waterward slope, standpipe located 10 feet from landward tee. Concrete stairway on waterward slope. (Permit No. 15103-1990) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 02/04/2010					

Photo 2 of 3 : UCIP_FA_2015_3774.jpg



View of waterward side.

Photo 3 of 3 : UCIP_FA_2015_6510.jpg



Inside view of standpipe located on landward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	2.66	Rating **	M	Issue No.	580
LM End	2.66	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.881091 °	37.881091 °
				-121.331842 °	-121.331842 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46009					
DS_ID:315					
EP_NO: N/A					
FS_HLM: 2.692					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	2.66	Rating **	M	Issue No.	580 (cont)
LM End	2.66	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_5974.jpg



(2015) Pipe removed from waterward toe.

Photo 2 of 3 : UCIP_FA_2015_6001.jpg



(2015) View of waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	2.66	Rating **	M	Issue No.	580 (cont)
LM End	2.66	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.881091 °	37.881091 °
				-121.331842 °	-121.331842 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46009					
DS_ID:315					
EP_NO: N/A					
FS_HLM: 2.692					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_6002.jpg



(2015) View of waterward slope--pipe removed.

LM Start	2.66	Rating **	C	Issue No.	5
LM End	2.66	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.881020 °	37.881020 °
				-121.332260 °	-121.332260 °
DWR ID					
Action/Comments					
Inspector Comments: 06/24/2015: Erosion has been repaired. 6/19/2014: The erosion was probably caused by the irrigation pipe found at the site. [2015 Site ID:RD0017U02RM45.94]					

No Photos

LM Start	2.67	Rating **	U	Issue No.	581
LM End	2.67	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.880923 °	37.880923 °
				-121.331857 °	-121.331857 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46003					
DS_ID:278					
EP_NO: 15104					
FS_HLM: 2.702					
Repair Type: Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_6003.jpg



(2015) Close-up of pipe wall damage.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	2.67	Rating **	U	Issue No.	581 (cont)
LM End	2.67	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.880923 °	37.880923 °
				-121.331857 °	-121.331857 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46003 DS_ID:278 EP_NO: 15104 FS_HLM: 2.702 Repair Type: Urgent Crossing Status: Found UCIP Comments: 05/19/15 Holes through pipe visible on waterward toe. Recommend contacting owner to confirm pipe use--good candidate for internal inspection.02/04/10 Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 3 of 3: 8 inch diameter steel stormdrain pipe through the levee 2.85-feet below levee crown. Pump on Concrete standpipe at LS toe (Permit No. 15104-1989). This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 05/19/2015					

Photo 2 of 3 : UCIP_FA_2015_6004.jpg



(2015) View of landward side.

Photo 3 of 3 : UCIP_FA_2015_6005.jpg



(2015) Pipe exposed without coating indicates holes through pipe wall.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	2.67	Rating **	M	Issue No.	6
LM End	2.69	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.880710 °	37.880710 °
				-121.332200 °	-121.332200 °
DWR ID					
Action/Comments					
Inspector Comments: 06/24/2015: Levee has been cut at the mid slope and a temporary step has been made for unknow purpose. More erosion has been found at the site. 6/19/2014: The erosion is in the river bank which has an estimated 10-ft wide berm. [2015 Site ID:RD0017U02RM45.95]					

Photo 1 of 2 : SJR2015_RD0017U02RM45.95_1.JPG



Front view of the erosion site. Note the new cut at the middle levee slope.

LM Start	2.67	Rating **	M	Issue No.	6 (cont)
LM End	2.69	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SJR2015_RD0017U02RM45.95_4.JPG



Close view of the erosion.

LM Start	2.76	Rating **	U	Issue No.	582
LM End	2.76	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.879604 °	37.879604 °
				-121.332109 °	-121.332109 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46004					
DS_ID:19					
EP_NO: 15105					
FS_HLM: 2.796					
Repair Type: Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_6006.jpg



(2015) View of waterward toe along pipe alignment.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	2.76	Rating **	U	Issue No.	582 (cont)
LM End	2.76	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.879604 °	37.879604 °
				-121.332109 °	-121.332109 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46004 DS_ID:19 EP_NO: 15105 FS_HLM: 2.796 Repair Type: Urgent Crossing Status: Found UCIP Comments: 05/19/15 Scour hole located immediately downstream from crossing has been filled with rip rap. Pit filled with wood debris is located immediately upstream of pipe, recommend clearing pit and repairing levee slope.02/04/10 Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 10-inch diameter irrigation pipeline through levee. Invert of pipe is 3.84 feet below crown. Siphon breaker on landward shoulder. Pump on platform in channel. A walkway extend from the pump platform to the waterward shoulder, standpipe located 14 feet from landward toe. (Permit No. 15105-1989) FS Date: 05/19/2015					

Photo 2 of 3 : UCIP_FA_2015_6007.jpg



(2015) View of waterward side--pit filled with wood debris will need to be filled and cleared.

LM Start	2.76	Rating **	U	Issue No.	582 (cont)
LM End	2.76	Issue Type +	En	Location *	WS

Photo 3 of 3 : UCIP_FA_2015_6008.jpg



(2015) Waterward slope armored with rip rap.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	2.78	Rating **	C	Issue No.	7
LM End	2.79	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.879293 °	37.879293
				-121.332518 °	-121.332518
DWR ID					
Action/Comments					
Inspector Comments: 06/24/2015: No significant change observed. 06/19/2014: The erosion has been repaired. 08/13/2013: Found during boat survey. There is vegetation at the site. [2015 Site ID:RD0017U02RM46.03]					

No Photos

LM Start	2.82	Rating **	M	Issue No.	8
LM End	2.82	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.878660 °	37.878660 °
				-121.332400 °	-121.332400 °
DWR ID					
Action/Comments					
Inspector Comments: 06/24/2015: No significant change observed. 06/19/2014: A pocket erosion was found during the boat survey. [2015 Site ID:RD0017U02RM46.1]					

Photo 1 of 2 : SJR2015_RD0017U02RM46.10_1.JPG



Front view of the erosion.

LM Start	2.82	Rating **	M	Issue No.	8 (cont)
LM End	2.82	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SJR2015_RD0017U02RM46.10_3.JPG



Close view of the erosion. The slope protection is poor.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	3.00	Rating **	M	Issue No.	583
LM End	3.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.876317 °	37.876317 °
				-121.331447 °	-121.331447 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40655					
DS_ID:20					
EP_NO: 15106					
FS_HLM: 3.035					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	3.00	Rating **	M	Issue No.	583 (cont)
LM End	3.00	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_6630.jpg



View of levee crown at crossing.

Photo 2 of 3 : UCIP_FA_2015_6631.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	3.00	Rating **	M	Issue No.	583 (cont)
LM End	3.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.876317 °	37.876317 °
				-121.331447 °	-121.331447 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40655					
DS_ID:20					
EP_NO: 15106					
FS_HLM: 3.035					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_6632.jpg



Pump station and control panel located on waterward side.

LM Start	3.16	Rating **	M	Issue No.	584
LM End	3.16	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.874160 °	37.874160 °
				-121.331761 °	-121.331761 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46005 DS_ID:21 EP_NO: 15310 FS_HLM: 3.202 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/19/15 Deteriorated section of pipe has been replaced. Need to contact KSN, engineering consulting representing LMA, to determine repair details and to obtain permit authorizing repair.02/04/10 Pipe wall deteriorated. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 10 inch discharge pipeline through levee. The invert of the pipe is 3.78 feet below crown. Siphon breaker on landward shoulder. Pump located on the landward side approximately 45 feet from the levee toe. (Permit No. 15310-1989) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 05/19/2015					

Photo 1 of 3 : UCIP_FA_2015_6009.jpg



(2015) View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	3.16	Rating **	M	Issue No.	584 (cont)	
LM End	3.16	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.874160 °	37.874160 °	
				-121.331761 °	-121.331761 °	
DWR ID						

Action/Comments

Inspector Comments: FS_ID:46005
 DS_ID:21
 EP_NO: 15310
 FS_HLM: 3.202
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 05/19/15 Deteriorated section of pipe has been replaced. Need to contact KSN, engineering consulting representing LMA, to determine repair details and to obtain permit authorizing repair. 02/04/10 Pipe wall deteriorated. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23.
 FIELD_STRUCT_DESC: 10 inch discharge pipeline through levee. The invert of the pipe is 3.78 feet below crown. Siphon breaker on landward shoulder. Pump located on the landward side approximately 45 feet from the levee toe. (Permit No. 15310-1989) This pipe was installed during the levee work approved under encroachment number 15014.
 FS Date: 05/19/2015

LM Start	3.16	Rating **	M	Issue No.	584 (cont)
LM End	3.16	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_6010.jpg



(2015) View of landward side.

Photo 3 of 3 : UCIP_FA_2015_6011.jpg



(2015) Pipe section replaced.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	3.47	Rating **	M	Issue No.	585
LM End	3.47	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.870623 °	37.870623 °
				-121.328775 °	-121.328775 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40658					
DS_ID:23					
EP_NO: 4116					
FS_HLM: 3.5145					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	3.47	Rating **	M	Issue No.	585 (cont)
LM End	3.47	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_6806.jpg



Marker visible on waterward side.

Photo 2 of 3 : UCIP_FA_2015_6807.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	3.47	Rating **	M	Issue No.	585 (cont)
LM End	3.47	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.870623 °	37.870623 °
				-121.328775 °	-121.328775 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40658					
DS_ID:23					
EP_NO: 4116					
FS_HLM: 3.5145					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_6808.jpg



View of levee crown at crossing.

LM Start	3.63	Rating **	M	Issue No.	586
LM End	3.63	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.868657 °	37.868657 °
				-121.327383 °	-121.327383 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40659 DS_ID:26 EP_NO: 15109 FS_HLM: 3.6721 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion around siphon breaker on landward side recommend investigating potential leak. FIELD_STRUCT_DESC: 12 inch pipeline through levee. Invert of pipe is 4.0 feet below levee crown. Siphon breaker on landward shoulder. Pump in irrigation ditch 45 feet from landward toe. (Permit No. 15109- 1990) FS Date: 02/04/2010					

Photo 1 of 3 : UCIP_FA_2015_6809.jpg



Siphon breaker located on landward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	3.63	Rating **	M	Issue No.	586 (cont)
LM End	3.63	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.868657 °	37.868657 °
				-121.327383 °	-121.327383 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:40659 DS_ID:26 EP_NO: 15109 FS_HLM: 3.6721 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion around siphon breaker on landward side recommend investigating potential leak. FIELD_STRUCT_DESC: 12 inch pipeline through levee. Invert of pipe is 4.0 feet below levee crown. Siphon breaker on landward shoulder. Pump in irrigation ditch 45 feet from landward toe. (Permit No. 15109-1990) FS Date: 02/04/2010					

LM Start	3.63	Rating **	M	Issue No.	586 (cont)
LM End	3.63	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_6810.jpg



Pump station locate on landward side.

Photo 3 of 3 : UCIP_FA_2015_6811.jpg



View of pipe section and pump station located on landward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	3.63	Rating **	M	Issue No.	10
LM End	3.63	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.868500 °	37.868500 °
				-121.327670 °	-121.327670 °
DWR ID					
Action/Comments					
Inspector Comments: 06/24/2015: No significant change observed. 06/19/2014: The erosion is near a large tree and probably has been caused by the irrigation pipe on the site. [2015 Site ID:RD0017U02RM46.89]					



Front view of the erosion. Note the tree and the irrigation pipe.

LM Start	3.63	Rating **	M	Issue No.	10 (cont)
LM End	3.63	Issue Type +	Ma	Location *	WS



Close view of the erosion.

LM Start	3.73	Rating **	M	Issue No.	587
LM End	3.73	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.867247 °	37.867247 °
				-121.326724 °	-121.326724 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40660					
DS_ID:27					
EP_NO: 15110					
FS_HLM: 3.7789					
Repair Type: Non-Urgent					
Crossing Status: Found					



Siphon breaker, standpipe, and powerline located on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	3.73	Rating **	M	Issue No.	587 (cont)
LM End	3.73	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.867247 °	37.867247 °
				-121.326724 °	-121.326724 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:40660
 DS_ID:27
 EP_NO: 15110
 FS_HLM: 3.7789
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23.
 FIELD_STRUCT_DESC: 12 inch diameter irrigation pipeline through levee. Invert of pipe is 3.88 below levee crown. Siphon breaker on landward shoulder. Pump on landward slope, standpipe located 10 feet from the landward toe stairway. (Permit No. 15110-1989)
 FS Date: 02/04/2010

LM Start	3.73	Rating **	M	Issue No.	587 (cont)
LM End	3.73	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_6846.jpg



Seepage berm located on landward side.

Photo 3 of 3 : UCIP_FA_2015_6847.jpg



View of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	4.19	Rating **	A/W	Issue No.	48
LM End	4.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.863819 °	37.863601 °
				-121.320784 °	-121.320299 °
DWR ID	DWR_RD0017_02_s _ 2012_48				
Action/Comments					
Landscaping					

Photo 1 of 3 : FA_2015_RD0017_304_48_20150914_00008.jpg



Looking southeast at dense ground cover on landside slope. (Spring 2013)

LM Start	4.19	Rating **	A/W	Issue No.	48 (cont)
LM End	4.22	Issue Type +	En	Location *	LS

Photo 2 of 3 : FA_2015_RD0017_304_48_20150914_00009.jpg



Looking southeast at overgrown landscaping on landside slope. (Spring 2014)

LM Start	4.19	Rating **	A/W	Issue No.	48 (cont)
LM End	4.22	Issue Type +	En	Location *	LS

Photo 3 of 3 : FA_2015_RD0017_304_48_20150914_00010.jpg



Looking east at overgrown landscaping on landside slope. (Spring 2014)

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	4.21	Rating **	M	Issue No.	588
LM End	4.21	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.863644 °	37.863644
				-121.320435 °	-121.320435
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43264					
DS_ID:28					
EP_NO: 15111					
FS_HLM: 4.268					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	4.21	Rating **	M	Issue No.	588 (cont)
LM End	4.21	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_6848.jpg



View of crossing on waterward side.

Photo 2 of 3 : UCIP_FA_2015_6849.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	4.21	Rating **	M	Issue No.	588 (cont)
LM End	4.21	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.863644 °	37.863644
				-121.320435 °	-121.320435
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43264					
DS_ID:28					
EP_NO: 15111					
FS_HLM: 4.268					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_6850.jpg



View of levee crown at crossing.

LM Start	4.26	Rating **	M	Issue No.	589
LM End	4.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.863195 °	37.863195 °
				-121.319920 °	-121.319920 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40662 DS_ID:29 EP_NO: 15112 FS_HLM: 4.3115 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. Debris (pipe section) scattered on waterward side. FIELD_STRUCT_DESC: 10 inch diameter irrigation pipeline through levee. Invert of pipe is 4.12 feet below crown. Siphon breaker on landward shoulder. Pump on waterward berm, standpipe located 28 feet from the landward toe. (Permit No. 15112-1990). Stairway located on both waterward and landward slopes. This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 02/04/2010					

Photo 1 of 3 : UCIP_FA_2015_6184.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	4.26	Rating **	M	Issue No.	589 (cont)
LM End	4.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.863195 °	37.863195 °
				-121.319920 °	-121.319920 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:40662
 DS_ID:29
 EP_NO: 15112
 FS_HLM: 4.3115
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. Debris (pipe section) scattered on waterward side.
 FIELD_STRUCT_DESC: 10 inch diameter irrigation pipeline through levee. Invert of pipe is 4.12 feet below crown. Siphon breaker on landward shoulder. Pump on waterward berm, standpipe located 28 feet from the landward toe. (Permit No. 15112-1990). Stairway located on both waterward and landward slopes. This pipe was installed during the levee work approved under encroachment number 15014.
 FS Date: 02/04/2010

LM Start	4.26	Rating **	M	Issue No.	589 (cont)
LM End	4.26	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_6185.jpg



Pipe through pump house located on waterward side.

Photo 3 of 3 : UCIP_FA_2015_6851.jpg



View of waterward side--pump house, walkway, pipe, and abandoned pipe section.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	4.31	Rating **	M	Issue No.	590
LM End	4.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.862383 °	37.862383 °
				-121.319797 °	-121.319797 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40376					
DS_ID:801					
EP_NO: N/A					
FS_HLM: 4.37					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

No Photos

LM Start	4.37	Rating **	M	Issue No.	1
LM End	4.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.861673 °	37.861370 °
				-121.320115 °	-121.320102 °
DWR ID	DWR_RD0017_02_s_2012_1				
Action/Comments					
Landscaping					
Inspector Comments: Oleander along fence line.					

LM Start	4.37	Rating **	M	Issue No.	1 (cont)
LM End	4.39	Issue Type +	En	Location *	LS

Photo 1 of 3 : FA_2015_RD0017_304_1_20150914_00001.jpg



Looking southeast at ground cover on landside slope.

Photo 2 of 3 : FA_2015_RD0017_304_1_20150914_00002.jpg



Looking south at overgrown oleanders on landside shoulder. (Spring 2014)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	4.37	Rating **	M	Issue No.	1 (cont)
LM End	4.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.861673 °	37.861370 °
				-121.320115 °	-121.320102 °
DWR ID	DWR_RD0017_02_s_2012_1				
Action/Comments					
Landscaping					
Inspector Comments: Oleander along fence line.					

Photo 3 of 3 : FA_2015_RD0017_304_1_20150914_00003.jpg



Looking southwest at landscaping and boat dock on waterside slope and channel.

LM Start	4.80	Rating **	U	Issue No.	591
LM End	4.80	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.856998 °	37.856998 °
				-121.318796 °	-121.318796 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46007 DS_ID:33 EP_NO: 15116 FS_HLM: 4.861 Repair Type: Urgent Crossing Status: Found UCIP Comments: 05/19/2015 Signs of internal erosion visible on waterward side where pipe daylights. Slope slumping visible on landward side where previous levee damage was present. Need to contact owner and KSN, LMA engineering firm, to coordinate potential issues with pipe.02/04/2010 Pipe failure--internal erosion visible on waterward and landward side. Recommend LMA superintendent notify owner to stop using crossing to avoid further damage to levee slope. Owner will need to coordinate with DWR Inspector and CVFPB to address pipe failure per Title 23 requirements. FIELD_STRUCT_DESC: 14 inch diameter pipe through levee. Invert pipe is 4.83 feet below levee crown. Siphon breaker on waterward shoulder. Pump on platform in channel, wooden walkway extends from pump platform to waterward slope, concrete stairway extends from walkway to waterward shoulder. A double side approach ramp is located on the landward slope. Concrete stairway on waterward slope. (Permit No. 15116-1990) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 05/19/2015					

Photo 1 of 3 : UCIP_FA_2015_6012.jpg



(2015) View of waterward side--signs of internal erosion along pipe alignment.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	4.80	Rating **	U	Issue No.	591 (cont)
LM End	4.80	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.856998 °	37.856998 °
				-121.318796 °	-121.318796 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:46007

DS_ID:33

EP_NO: 15116

FS_HLM: 4.861

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 05/19/2015 Signs of internal erosion visible on waterward side where pipe daylights. Slope slumping visible on landward side where previous levee damage was present. Need to contact owner and KSN, LMA engineering firm, to coordinate potential issues with pipe. 02/04/2010 Pipe failure--internal erosion visible on waterward and landward side. Recommend LMA superintendent notify owner to stop using crossing to avoid further damage to levee slope. Owner will need to coordinate with DWR Inspector and CVFPB to address pipe failure per Title 23 requirements.

FIELD_STRUCT_DESC: 14 inch diameter pipe through levee. Invert pipe is 4.83 feet below levee crown. Siphon breaker on waterward shoulder. Pump on platform in channel, wooden walkway extends from pump platform to waterward slope, concrete stairway extends from walkway to waterward shoulder. A double side approach ramp is located on the landward slope. Concrete stairway on waterward slope. (Permit No. 15116-1990) This pipe was installed during the levee work approved under encroachment number 15014.

FS Date: 05/19/2015

Photo 2 of 3 : UCIP_FA_2015_6013.jpg



(2015) View of landward side--slope slumping at previous damage levee section.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	4.80	Rating **	U	Issue No.	591 (cont)
LM End	4.80	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.856998 °	37.856998 °
				-121.318796 °	-121.318796 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:46007 DS_ID:33 EP_NO: 15116 FS_HLM: 4.861 Repair Type: Urgent Crossing Status: Found UCIP Comments: 05/19/2015 Signs of internal erosion visible on waterward side where pipe daylights. Slope slumping visible on landward side where previous levee damage was present. Need to contact owner and KSN, LMA engineering firm, to coordinate potential issues with pipe.02/04/2010 Pipe failure--internal erosion visible on waterward and landward side. Recommend LMA superintendent notify owner to stop using crossing to avoid further damage to levee slope. Owner will need to coordinate with DWR Inspector and CVFPB to address pipe failure per Title 23 requirements. FIELD_STRUCT_DESC: 14 inch diameter pipe through levee. Invert pipe is 4.83 feet below levee crown. Siphon breaker on waterward shoulder. Pump on platform in channel, wooden walkway extends from pump platform to waterward slope, concrete stairway extends from walkway to waterward shoulder. A double side approach ramp is located on the landward slope. Concrete stairway on waterward slope. (Permit No. 15116-1990) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 05/19/2015					

Photo 3 of 3 : UCIP_FA_2015_6186.jpg



Overview of levee crown at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	4.95	Rating **	U	Issue No.	592
LM End	4.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.855356 °	37.855356 °
				-121.319849 °	-121.319849 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42878 DS_ID:34 EP_NO: 15117 FS_HLM: 5.008 Repair Type: Urgent Crossing Status: Found UCIP Comments: Section of landward slope exposed--Need to contact owner to address cut on levee and determine status of crossing. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 10 inch diameter pipeline through levee. Invert of pipe is 4.26 feet below levee crown. Siphon breaker on waterward shoulder. Pump located in excess of 100 feet from the landward toe. Ramp on landward slope. (Permit No. 15117-1989) FS Date: 02/04/2010					

LM Start	4.95	Rating **	U	Issue No.	592 (cont)
LM End	4.95	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5513.jpg



Section of levee slope exposed on landward side.

Photo 2 of 3 : UCIP_FA_2015_5514.jpg



Pump station located on landward side toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	4.95	Rating **	U	Issue No.	592 (cont)
LM End	4.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.855356 °	37.855356 °
				-121.319849 °	-121.319849 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42878					
DS_ID:34					
EP_NO: 15117					
FS_HLM: 5.008					
Repair Type: Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_6440.jpg



View of landward side.

LM Start	5.07	Rating **	M	Issue No.	593
LM End	5.07	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.853613 °	37.853613 °
				-121.319666 °	-121.319666 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45998 DS_ID:35 EP_NO: 15118 FS_HLM: 5.138 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/19/2015 Erosion is still present on waterward side--wet soil along pipe alignment (where pipe section is exposed). Burrow activity is also present at this location. Recommend contacting owner to address burrow activity. 02/04/2010 Erosion visible on waterward side visible at pipe daylight. Need to contact owner to address potential pipe failure. Need to determine status of crossing. FIELD_STRUCT_DESC: 14 inch diameter irrigation pipeline through levee. Invert of pipe is 4.49 feet below levee crown. Siphon breaker on landward shoulder. Pump on platform in channel, wooden walkway extends from pump platform to waterward slope, concrete stairway extends from walkway to waterward shoulder and a standpipe is located 2 feet from the landward toe. (Permit No. 15118-1989) FS Date: 05/19/2015					

Photo 1 of 3 : UCIP_FA_2015_6033.jpg



(2015) View of waterward side--erosion at pipe daylight.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	5.07	Rating **	M	Issue No.	593 (cont)
LM End	5.07	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.853613 °	37.853613 °
				-121.319666 °	-121.319666 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:45998					
DS_ID:35					
EP_NO: 15118					
FS_HLM: 5.138					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 05/19/2015 Erosion is still present on waterward side--wet soil along pipe alignment (where pipe section is exposed). Burrow activity is also present at this location. Recommend contacting owner to address burrow activity. 02/04/2010 Erosion visible on waterward side visible at pipe daylight. Need to contact owner to address potential pipe failure. Need to determine status of crossing.					
FIELD_STRUCT_DESC: 14 inch diameter irrigation pipeline through levee. Invert of pipe is 4.49 feet below levee crown. Siphon breaker on landward shoulder. Pump on platform in channel, wooden walkway extends from pump platform to waterward slope, concrete stairway extends from walkway to waterward shoulder and a standpipe is located 2 feet from the landward toe. (Permit No. 15118-1989)					
FS Date: 05/19/2015					

Photo 2 of 3 : UCIP_FA_2015_6034.jpg



(2015) Erosion visible on waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	5.07	Rating **	M	Issue No.	593 (cont)
LM End	5.07	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.853613 °	37.853613 °
				-121.319666 °	-121.319666 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45998 DS_ID:35 EP_NO: 15118 FS_HLM: 5.138 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/19/2015 Erosion is still present on waterward side--wet soil along pipe alignment (where pipe section is exposed). Burrow activity is also present at this location. Recommend contacting owner to address burrow activity. 02/04/2010 Erosion visible on waterward side visible at pipe daylight. Need to contact owner to address potential pipe failure. Need to determine status of crossing. FIELD_STRUCT_DESC: 14 inch diameter irrigation pipeline through levee. Invert of pipe is 4.49 feet below levee crown. Siphon breaker on landward shoulder. Pump on platform in channel, wooden walkway extends from pump platform to waterward slope, concrete stairway extends from walkway to waterward shoulder and a standpipe is located 2 feet from the landward toe. (Permit No. 15118-1989) FS Date: 05/19/2015					

Photo 3 of 3 : UCIP_FA_2015_6035.jpg



(2015) Wet ground along pipe alignment on waterward side.

LM Start	5.41	Rating **	M	Issue No.	594
LM End	5.41	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.851319 °	37.851319 °
				-121.321336 °	-121.321336 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40669					
DS_ID:36					
EP_NO: 15119					
FS_HLM: 5.4811					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine status.					
FIELD_STRUCT_DESC: 16 inch diameter pipe through levee. Invert of pipe is 5.11 feet below levee crown. Slant pump on riverbank, standpipe located 30 feet from the landward toe. Ramp on waterward slope. (Permit No. 15119-1990). This pipe was installed during the levee work approved under encroachment number 15014.					
FS Date: 02/04/2010					

Photo 1 of 3 : UCIP_FA_2015_6327.jpg



Overview of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	5.41	Rating **	M	Issue No.	594 (cont)
LM End	5.41	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.851319 °	37.851319 °
				-121.321336 °	-121.321336 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:40669
 DS_ID:36
 EP_NO: 15119
 FS_HLM: 5.4811
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Need to contact owner to determine status.
 FIELD_STRUCT_DESC: 16 inch diameter pipe through levee. Invert of pipe is 5.11 feet below levee crown. Slant pump on riverbank, standpipe located 30 feet from the landward toe. Ramp on waterward slope. (Permit No. 15119-1990). This pipe was installed during the levee work approved under encroachment number 15014.
 FS Date: 02/04/2010

LM Start	5.41	Rating **	M	Issue No.	594 (cont)
LM End	5.41	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_6441.jpg



Distribution box located on landward side.

Photo 3 of 3 : UCIP_FA_2015_6442.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	5.48	Rating **	A/W	Issue No.	568
LM End	5.48	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.850652 °	37.850652
				-121.320498 °	-121.320498
DWR ID	DWR_RD0017_02_s _ 2012_568				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	5.52	Rating **	A/W	Issue No.	76
LM End	5.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.850118 °	37.850118 °
				-121.320188 °	-121.320188 °
DWR ID	DWR_RD0017_02_s _ 2012_76				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Rodent holes has been backfilled, but should be monitored.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	6.14	Rating **	M	Issue No.	595
LM End	6.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.844392 °	37.844392 °
				-121.320753 °	-121.320753 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:40672
 DS_ID:38
 EP_NO: 15121
 FS_HLM: 6.2214
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Pipe section at waterward toe is missing wall. Need to coordinate with owner to determine integrity of pipe section through levee. This crossing is a good candidate for video inspection to determine internal condition of pipe.
 FIELD_STRUCT_DESC: 2 of 2. 10 inch steel stormdrain through the levee 4.0-feet below crown. (Permit No. 15121-1991) This pipe was installed during the levee work approved under encroachment number 15014.
 FS Date: 02/04/2010

LM Start	6.14	Rating **	M	Issue No.	595 (cont)
LM End	6.14	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5899.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2015_5900.jpg



View of pipe section on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	6.14	Rating **	M	Issue No.	595 (cont)
LM End	6.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.844392 °	37.844392 °
				-121.320753 °	-121.320753 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40672					
DS_ID:38					
EP_NO: 15121					
FS_HLM: 6.2214					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5901.jpg



Pipe section inside wall has completely corroded--wall missing.

LM Start	6.74	Rating **	A/W	Issue No.	79
LM End	6.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.838810 °	37.838810 °
				-121.316600 °	-121.316600 °
DWR ID	DWR_RD0017_02_s_2015_79				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove cactus on waterward slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	6.79	Rating **	M	Issue No.	596
LM End	6.79	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.837995 °	37.837995
				-121.316566 °	-121.316566
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40677					
DS_ID:40					
EP_NO: 15123					
FS_HLM: 6.8775					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Landowner mentioned power line was stolen crossing was non-functional during inspection. Potential erosion underneath walkway--need to confirm lose soil. Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment.					
FIELD_STRUCT_DESC: 16 inch diameter pipe through levee. Invert of pipe is 4.03 feet below the levee crown. Siphon breaker on waterward shoulder. Ramp on platform in channel, walkway from pump platform to waterward slope, standpipe located at landward berm toe. (Permit No. 15123-1989)					
FS Date: 02/04/2010					

LM Start	6.79	Rating **	M	Issue No.	596 (cont)
LM End	6.79	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5503.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2015_5504.jpg



Siphon breaker located on waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	6.79	Rating **	M	Issue No.	596 (cont)
LM End	6.79	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.837995 °	37.837995 °
				-121.316566 °	-121.316566 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40677					
DS_ID:40					
EP_NO: 15123					
FS_HLM: 6.8775					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5902.jpg



View of levee crown at crossing.

LM Start	7.17	Rating **	M	Issue No.	597
LM End	7.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.833426 °	37.833426 °
				-121.313023 °	-121.313023 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40679					
DS_ID:42					
EP_NO: 15077					
FS_HLM: 7.2603					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Surface erosion on waterward slope. Abandoned pipe section left on waterward slope. Need to contact owner to obtain additional information about crossing.					
FIELD_STRUCT_DESC: 12 inch diameter irrigation pipeline through levee. Invert of pipe 3.67 feet below levee crown. Siphon breaker on landward shoulder. Pump on platform in channel, walkway from pump platform to waterward shoulder. Standpipe located 15 feet from the landward toe. (Permit No. 15077-1989)					
FS Date: 02/04/2010					

Photo 1 of 3 : UCIP_FA_2015_5505.jpg



Standpipe visible on landward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	7.17	Rating **	M	Issue No.	597 (cont)
LM End	7.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.833426 °	37.833426 °
				-121.313023 °	-121.313023 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:40679
 DS_ID:42
 EP_NO: 15077
 FS_HLM: 7.2603
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Surface erosion on waterward slope. Abandoned pipe section left on waterward slope. Need to contact owner to obtain additional information about crossing.
 FIELD_STRUCT_DESC: 12 inch diameter irrigation pipeline through levee. Invert of pipe 3.67 feet below levee crown. Siphon breaker on landward shoulder. Pump on platform in channel, walkway from pump platform to waterward shoulder. Standpipe located 15 feet from the landward toe. (Permit No. 15077-1989)
 FS Date: 02/04/2010

LM Start	7.17	Rating **	M	Issue No.	597 (cont)
LM End	7.17	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5506.jpg



CMP riser located on landward slope.

Photo 3 of 3 : UCIP_FA_2015_5507.jpg



Overview of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	7.19	Rating **	A/W	Issue No.	18
LM End	7.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.833162 °	37.833162 °
				-121.312715 °	-121.312715 °
DWR ID	DWR_RD0017_02_s _ 2013_18				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	7.20	Rating **	M	Issue No.	598
LM End	7.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.833088 °	37.833088 °
				-121.312676 °	-121.312676 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40680					
DS_ID:43					
EP_NO: 15078					
FS_HLM: 7.291					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Crossing is non-functional recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment.					
FIELD_STRUCT_DESC: 4 inch diameter pipeline through levee. Invert of pipe is 3.22 feet below levee crown. Siphon breaker on landward shoulder. Pump on waterward berm. (Permit No. 15078-1989)					
FS Date: 02/04/2010					

Photo 1 of 3 : UCIP_FA_2015_5508.jpg



Abandoned boat protecting pump station located on waterward side.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	7.20	Rating **	M	Issue No.	598 (cont)
LM End	7.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.833088 °	37.833088 °
				-121.312676 °	-121.312676 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:40680 DS_ID:43 EP_NO: 15078 FS_HLM: 7.291 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing is non-functional recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 4 inch diameter pipeline through levee. Invert of pipe is 3.22 feet below levee crown. Siphon breaker on landward shoulder. Pump on waterward berm. (Permit No. 15078-1989) FS Date: 02/04/2010					

LM Start	7.20	Rating **	M	Issue No.	598 (cont)
LM End	7.20	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5509.jpg



Overview of levee crown at crossing.

Photo 3 of 3 : UCIP_FA_2015_5989.jpg



Motor located on waterward slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
N/A : Not Applicable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	7.42	Rating **	M	Issue No.	4
LM End	7.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.830350 °	37.830350 °
				-121.310880 °	-121.310880 °
DWR ID	DWR_RD0017_02_s_2012_4				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	7.43	Rating **	M	Issue No.	599
LM End	7.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.830158 °	37.830158 °
				-121.310915 °	-121.310915 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40681 DS_ID:44 EP_NO: 15079 FS_HLM: 7.5268 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. FIELD_STRUCT_DESC: 14 inch pipeline through levee. Invert of pipe is 4.28 feet below levee crown. Siphon breaker on waterward shoulder. Pump on platform in channel, walkway from pump platform to the top of the riverbank, standpipe located 12 feet from landward tee. (Permit No. 15079-1990) FS Date: 02/04/2010					

Photo 1 of 3 : UCIP_FA_2015_6539.jpg



View of waterward side.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	7.43	Rating **	M	Issue No.	599 (cont)
LM End	7.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.830158 °	37.830158 °
				-121.310915 °	-121.310915 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:40681
 DS_ID:44
 EP_NO: 15079
 FS_HLM: 7.5268
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use.
 FIELD_STRUCT_DESC: 14 inch pipeline through levee. Invert of pipe is 4.28 feet below levee crown. Siphon breaker on waterward shoulder. Pump on platform in channel, walkway from pump platform to the top of the riverbank, standpipe located 12 feet from landward tee. (Permit No. 15079-1990)
 FS Date: 02/04/2010

LM Start	7.43	Rating **	M	Issue No.	599 (cont)
LM End	7.43	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_6553.jpg



Pipe, pump, and platform located on waterward side.

Photo 3 of 3 : UCIP_FA_2015_6555.jpg



Pump station fenced off on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	7.44	Rating **	M	Issue No.	600
LM End	7.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.830115 °	37.830115 °
				-121.310908 °	-121.310908 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40682					
DS_ID:99					
EP_NO: 17643					
FS_HLM: 7.5298					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_6536.jpg



View of waterward side.

LM Start	7.44	Rating **	M	Issue No.	600 (cont)
LM End	7.44	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_6537.jpg



Relief valve located on landward shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	7.44	Rating **	M	Issue No.	600 (cont)	
LM End	7.44	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.830115 °	37.830115 °	
				-121.310908 °	-121.310908 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:40682						
DS_ID:99						
EP_NO: 17643						
FS_HLM: 7.5298						
Repair Type: Non-Urgent						
Crossing Status: Found						

Photo 3 of 3 : UCIP_FA_2015_6538.jpg



Overview of levee crown at crossing.

LM Start	7.45	Rating **	M	Issue No.	601
LM End	7.45	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.829922 °	37.829922 °
				-121.310865 °	-121.310865 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40683					
DS_ID:284					
EP_NO: 15079					
FS_HLM: 7.5429					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Potential leak at standpipe--unable to confirm if crossing is operable. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use.					
FIELD_STRUCT_DESC: 2 of 2. 10 inch pipe also referenced as 478+22, old 6 inch pipe was removed per encroachment recordation.					
FS Date: 02/04/2010					

Photo 1 of 3 : UCIP_FA_2015_6554.jpg



CMP riser located on waterward shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	7.45	Rating **	M	Issue No.	601 (cont)
LM End	7.45	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.829922 °	37.829922 °
				-121.310865 °	-121.310865 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:40683
 DS_ID:284
 EP_NO: 15079
 FS_HLM: 7.5429
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Potential leak at standpipe--unable to confirm if crossing is operable. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use.
 FIELD_STRUCT_DESC: 2 of 2. 10 inch pipe also referenced as 478+22, old 6 inch pipe was removed per encroachment recordation.
 FS Date: 02/04/2010

LM Start	7.45	Rating **	M	Issue No.	601 (cont)
LM End	7.45	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_6556.jpg



Overview of levee crown at crossing.

Photo 3 of 3 : UCIP_FA_2015_6558.jpg



Pipe visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	7.57	Rating **	M	Issue No.	602
LM End	7.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.828258 °	37.828258 °
				-121.310003 °	-121.310003 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40684					
DS_ID:97					
EP_NO: 15080					
FS_HLM: 7.6692					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	7.57	Rating **	M	Issue No.	602 (cont)
LM End	7.57	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_6557.jpg



Pump and pipe located on waterward slope.

Photo 2 of 3 : UCIP_FA_2015_6559.jpg



Overview of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	7.57	Rating **	M	Issue No.	602 (cont)	
LM End	7.57	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.828258 °	37.828258 °	
				-121.310003 °	-121.310003 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:40684						
DS_ID:97						
EP_NO: 15080						
FS_HLM: 7.6692						
Repair Type: Non-Urgent						
Crossing Status: Found						

Photo 3 of 3 : UCIP_FA_2015_6560.jpg



View of waterward side.

LM Start	7.58	Rating **	M	Issue No.	25
LM End	7.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.828095 °	37.827920 °
				-121.309945 °	-121.309847 °
DWR ID	DWR_RD0017_02_s_2012_25				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : FA_2015_RD0017_304_25_20150914_00007.jpg



Elderberry blocking view of landside slope and toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	7.71	Rating **	M	Issue No.	603
LM End	7.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.826333 °	37.826333 °
				-121.309495 °	-121.309495 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:40685
 DS_ID:98
 EP_NO: 15081
 FS_HLM: 7.812
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Erosion present on waterward toe underneath piles.
 Need to coordinate with owner to address issue on waterward side and to determine status of crossing.
 FIELD_STRUCT_DESC: 16 inch diameter asphalt coated and wrapped steel irrigation pipe through the levee 2.6-feet below the crown. Siphon breaker located on landward side. Stand pipe located at landward toe.
 Pump on Platform at WS toe Permit No. 15081, 1989.
 FS Date: 02/04/2010

LM Start	7.71	Rating **	M	Issue No.	603 (cont)
LM End	7.71	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_6561.jpg



Pump station located on platform located on waterward side.

Photo 2 of 3 : UCIP_FA_2015_6562.jpg



Overview of levee crown at pipe crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	7.71	Rating **	M	Issue No.	603 (cont)
LM End	7.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.826333 °	37.826333 °
				-121.309495 °	-121.309495 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40685					
DS_ID:98					
EP_NO: 15081					
FS_HLM: 7.812					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_6678.jpg



Pipe daylight on waterward side.

LM Start	7.73	Rating **	M	Issue No.	604
LM End	7.73	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.826031 °	37.826031 °
				-121.309569 °	-121.309569 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40686 DS_ID:804 EP_NO: N/A FS_HLM: 7.8333 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to find any appurtenances need to coordinate with owner to obtain additional informaiton about crossing. Standpipe appears abandoned. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. FIELD_STRUCT_DESC: Standpipe located on levee crown. FS Date: 02/04/2010					

Photo 1 of 2 : UCIP_FA_2015_6679.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	7.73	Rating **	M	Issue No.	604 (cont)
LM End	7.73	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.826031 °	37.826031 °
				-121.309569 °	-121.309569 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:40686
 DS_ID:804
 EP_NO: N/A
 FS_HLM: 7.8333
 Repair Type: Non-Urgent
 Crossing Status: Indicator Found
 UCIP Comments: Unable to find any appurtenances need to coordinate with owner to obtain additional information about crossing. Standpipe appears abandoned. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use.
 FIELD_STRUCT_DESC: Standpipe located on levee crown.
 FS Date: 02/04/2010

Photo 2 of 2 : UCIP_FA_2015_6680.jpg



Standpipe located on levee crown.

LM Start	7.75	Rating **	M	Issue No.	605
LM End	7.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.825857 °	37.825857 °
				-121.309574 °	-121.309574 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:40687
 DS_ID:100
 EP_NO: 15082
 FS_HLM: 7.845
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Pumps were removed and no power connection visible. Crossing appears abandoned. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use.
 FIELD_STRUCT_DESC: 1 of 2. 20 inch asphalt coated and wrapped steel irrigation pipe through levee 2.1-feet below the crown. Pump missing from platform on waterward side. Siphon breaker inside 24-inch CMP riser on LS shoulder (Permit No. 15082, 1982).
 FS Date: 02/04/2010

Photo 1 of 3 : UCIP_FA_2015_6681.jpg



View of waterward side--no pumps present anymore.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	7.75	Rating **	M	Issue No.	605 (cont)
LM End	7.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.825857 °	37.825857 °
				-121.309574 °	-121.309574 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40687 DS_ID:100 EP_NO: 15082 FS_HLM: 7.845 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pumps were removed and no power connection visible. Crossing appears abandoned. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. FIELD_STRUCT_DESC: 1 of 2. 20 inch asphalt coated and wrapped steel irrigation pipe through levee 2.1-feet below the crown. Pump missing from platform on waterward side. Siphon breaker inside 24-inch CMP riser on LS shoulder (Permit No. 15082, 1982). FS Date: 02/04/2010					

LM Start	7.75	Rating **	M	Issue No.	605 (cont)
LM End	7.75	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_6682.jpg



View of waterward side.

Photo 3 of 3 : UCIP_FA_2015_6683.jpg



Conduit lines present on waterward side--no connection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	7.75	Rating **	M	Issue No.	606
LM End	7.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.825828 °	37.825828 °
				-121.309569 °	-121.309569 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40688 DS_ID:288 EP_NO: 15082 FS_HLM: 7.8471 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	7.75	Rating **	M	Issue No.	606 (cont)
LM End	7.75	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_6852.jpg



Conduits visible on waterward side--no connection.

Photo 2 of 3 : UCIP_FA_2015_6853.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	7.75	Rating **	M	Issue No.	606 (cont)	
LM End	7.75	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.825828 °	37.825828 °	
				-121.309569 °	-121.309569 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:40688						
DS_ID:288						
EP_NO: 15082						
FS_HLM: 7.8471						
Repair Type: Non-Urgent						
Crossing Status: Found						

Photo 3 of 3 : UCIP_FA_2015_6854.jpg



View of pipe on waterward side.

LM Start	7.89	Rating **	M	Issue No.	607
LM End	7.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.823987 °	37.823987 °
				-121.309841 °	-121.309841 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40689					
DS_ID:805					
EP_NO: N/A					
FS_HLM: 7.9861					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Only siphon breakers were found on landward shoulder no other appurtenances were found. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use.					
FIELD_STRUCT_DESC: Siphon breaker located on landward shoulder.					
FS Date: 02/04/2010					

Photo 1 of 3 : UCIP_FA_2015_6855.jpg



View of landward side.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	7.89	Rating **	M	Issue No.	607 (cont)
LM End	7.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.823987 °	37.823987 °
				-121.309841 °	-121.309841 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:40689 DS_ID:805 EP_NO: N/A FS_HLM: 7.9861 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only siphon breakers were found on landward shoulder no other appurtenances were found. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. FIELD_STRUCT_DESC: Siphon breaker located on landward shoulder. FS Date: 02/04/2010					

LM Start	7.89	Rating **	M	Issue No.	607 (cont)
LM End	7.89	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_6856.jpg



View of levee crown at crossing.

Photo 3 of 3 : UCIP_FA_2015_6857.jpg



CMP riser located on landward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
N/A : Not Applicable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	8.99	Rating **	U	Issue No.	608
LM End	8.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.818123 °	37.818123 °
				-121.314272 °	-121.314272 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46008					
DS_ID:285					
EP_NO: 15083					
FS_HLM: 9.101					
Repair Type: Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_6014.jpg



(2015) View of waterward side--only 1 pipe section was replaced (1 of 2 and not 2 of 2)

LM Start	8.99	Rating **	U	Issue No.	608 (cont)
LM End	8.99	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_6015.jpg



(2015) View of second pipe not replaced.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	8.99	Rating **	U	Issue No.	608 (cont)
LM End	8.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.818123 °	37.818123 °
				-121.314272 °	-121.314272 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46008					
DS_ID:285					
EP_NO: 15083					
FS_HLM: 9.101					
Repair Type: Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_6016.jpg



(2015) Second pipe visible from waterward side shows wall damage (failure).

LM Start	9.09	Rating **	M	Issue No.	609
LM End	9.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.816767 °	37.816767 °
				-121.314681 °	-121.314681 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45453 DS_ID:48 EP_NO: 15084 FS_HLM: 9.22 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine disposition of pipe. No record of removal has been found and status of crossing needs to be determined. FIELD_STRUCT_DESC: 8 inch diameter pipe through levee. Invert of pipe is 3.47 feet below levee crown. (Siphon breaker on landward shoulder. Slant pump on waterward slope, concrete stairway from pump to waterward shoulder, standpipe located 20 feet from the landward toe): Not found. Only indicator is a 1.5-inch PVC electrical conduit visible on WS slope 6-feet below the crown. (Permit No. 15084-1989) FS Date: 05/21/2015					

Photo 1 of 2 : UCIP_FA_2015_6318.jpg



Electrical conduit only appurtanance found on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	9.09	Rating **	M	Issue No.	609 (cont)
LM End	9.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.816767 °	37.816767 °
				-121.314681 °	-121.314681 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45453 DS_ID:48 EP_NO: 15084 FS_HLM: 9.22 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine disposition of pipe. No record of removal has been found and status of crossing needs to be determined. FIELD_STRUCT_DESC: 8 inch diameter pipe through levee. Invert of pipe is 3.47 feet below levee crown. (Siphon breaker on landward shoulder. Slant pump on waterward slope, concrete stairway from pump to waterward shoulder, standpipe located 20 feet from the landward toe): Not found. Only indicator is a 1.5-inch PVC electrical conduit visible on WS slope 6-feet below the crown. (Permit No. 15084-1989) FS Date: 05/21/2015					

Photo 2 of 2 : UCIP_FA_2015_6319.jpg



1.5-inch electrical conduit only appurtanance still visible on WS slope.

LM Start	9.28	Rating **	U	Issue No.	9
LM End	9.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.815243 °	37.815243 °
				-121.317470 °	-121.317470 °
DWR ID	DWR_RD0017_02_s_2012_9				
Action/Comments					
Trees / Woody Vegetation					
Inspector Comments: Bamboo located at landward toe.					

Photo 1 of 1 : FA_2015_RD0017_304_9_20150914_00005.jpg



Looking east at bamboo at landward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	10.64	Rating **	M	Issue No.	80
LM End	10.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.805787 °	37.805787 °
				-121.322022 °	-121.322022 °
DWR ID	DWR_RD0017_02_s_2015_80				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	11.31	Rating **	M	Issue No.	610
LM End	11.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.803410 °	37.803410 °
				-121.312031 °	-121.312031 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40695 DS_ID:51 EP_NO: 15055 FS_HLM: 11.4521 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is not connected on waterward side. Crossing is non-functional recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 16 inch diameter pipe through levee. Invert pipe is 3.91 feet below levee crown. Siphon breaker on landward shoulder. Slant pump on waterward slope, standpipe located 11 feet from the landward toe. (Permit No. 15055-1989) FS Date: 02/04/2010					

Photo 1 of 3 : UCIP_FA_2015_0694.jpg



Slant pump located on waterward side.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	11.31	Rating **	M	Issue No.	610 (cont)
LM End	11.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.803410 °	37.803410 °
				-121.312031 °	-121.312031 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:40695
 DS_ID:51
 EP_NO: 15055
 FS_HLM: 11.4521
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Pipe is not connected on waterward side. Crossing is non-functional recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment.
 FIELD_STRUCT_DESC: 16 inch diameter pipe through levee. Invert pipe is 3.91 feet below levee crown. Siphon breaker on landward shoulder. Slant pump on waterward slope, standpipe located 11 feet from the landward toe. (Permit No. 15055-1989)
 FS Date: 02/04/2010

LM Start	11.31	Rating **	M	Issue No.	610 (cont)
LM End	11.31	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_2265.jpg



Overview of levee crown at crossing.

Photo 3 of 3 : UCIP_FA_2015_2504.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	11.35	Rating **	M	Issue No.	611
LM End	11.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802921 °	37.802921 °
				-121.311947 °	-121.311947 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40696					
DS_ID:103					
EP_NO: 17792					
FS_HLM: 11.49					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	11.35	Rating **	M	Issue No.	611 (cont)
LM End	11.35	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_1838.jpg



Concrete headwall and gates located on waterward toe.

Photo 2 of 3 : UCIP_FA_2015_2264.jpg



Overview of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	11.35	Rating **	M	Issue No.	611 (cont)
LM End	11.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802921 °	37.802921 °
				-121.311947 °	-121.311947 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40696					
DS_ID:103					
EP_NO: 17792					
FS_HLM: 11.49					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_2273.jpg



View of waterward side geotech fabric damage along slope.

LM Start	11.35	Rating **	M	Issue No.	612
LM End	11.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802904 °	37.802904 °
				-121.311946 °	-121.311946 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40697 DS_ID:473 EP_NO: 17792 FS_HLM: 11.491 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: 2 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 02/04/2010					

Photo 1 of 3 : UCIP_FA_2015_1839.jpg



Surface erosion visible on waterward berm edge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	11.35	Rating **	M	Issue No.	612 (cont)
LM End	11.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802904 °	37.802904 °
				-121.311946 °	-121.311946 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40697 DS_ID:473 EP_NO: 17792 FS_HLM: 11.491 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: 2 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 02/04/2010					

Photo 2 of 3 : UCIP_FA_2015_1864.jpg



Overview of levee crown at crossings.

Photo 3 of 3 : UCIP_FA_2015_1868.jpg



Geotech fabric damage along waterward berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	11.35	Rating **	M	Issue No.	613
LM End	11.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802889 °	37.802889 °
				-121.311947 °	-121.311947 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40698					
DS_ID:474					
EP_NO: 17792					
FS_HLM: 11.492					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	11.35	Rating **	M	Issue No.	613 (cont)
LM End	11.35	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_6426.jpg



Outlet structure located on waterward toe.

Photo 2 of 3 : UCIP_FA_2015_6427.jpg



Overview of levee crown at crossings.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	11.35	Rating **	M	Issue No.	613 (cont)
LM End	11.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802889 °	37.802889 °
				-121.311947 °	-121.311947 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40698					
DS_ID:474					
EP_NO: 17792					
FS_HLM: 11.492					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_6428.jpg



View of waterward side.

LM Start	11.35	Rating **	M	Issue No.	614
LM End	11.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802869 °	37.802869 °
				-121.311948 °	-121.311948 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40699 DS_ID:475 EP_NO: 17792 FS_HLM: 11.493 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: 4 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 02/04/2010					

Photo 1 of 3 : UCIP_FA_2015_1869.jpg



Overview of levee crown at crossings.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	11.35	Rating **	M	Issue No.	614 (cont)
LM End	11.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802869 °	37.802869 °
				-121.311948 °	-121.311948 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40699 DS_ID:475 EP_NO: 17792 FS_HLM: 11.493 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: 4 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 02/04/2010					

Photo 2 of 3 : UCIP_FA_2015_2531.jpg



View of landward side.

Photo 3 of 3 : UCIP_FA_2015_2532.jpg



City of Lathrop Stormwater Pump Station 112.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	11.35	Rating **	M	Issue No.	615
LM End	11.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802854 °	37.802854 °
				-121.311948 °	-121.311948 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40700					
DS_ID:476					
EP_NO: 17792					
FS_HLM: 11.494					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	11.35	Rating **	M	Issue No.	615 (cont)
LM End	11.35	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_6420.jpg



Overview of levee crown at crossings.

Photo 2 of 3 : UCIP_FA_2015_6421.jpg



Surface erosion on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	11.35	Rating **	M	Issue No.	615 (cont)	
LM End	11.35	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.802854 °	37.802854 °	
				-121.311948 °	-121.311948 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:40700						
DS_ID:476						
EP_NO: 17792						
FS_HLM: 11.494						
Repair Type: Non-Urgent						
Crossing Status: Found						

Photo 3 of 3 : UCIP_FA_2015_6422.jpg



View of waterward side.

LM Start	11.35	Rating **	M	Issue No.	616
LM End	11.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802837 °	37.802837 °
				-121.311949 °	-121.311949 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40701					
DS_ID:477					
EP_NO: 17792					
FS_HLM: 11.495					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Surface erosion on waterward slope--need to contact owner.					
FIELD_STRUCT_DESC: 6 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad.					
Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005)					
FS Date: 02/04/2010					

Photo 1 of 3 : UCIP_FA_2015_6423.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	11.35	Rating **	M	Issue No.	616 (cont)
LM End	11.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802837 °	37.802837 °
				-121.311949 °	-121.311949 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40701 DS_ID:477 EP_NO: 17792 FS_HLM: 11.495 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: 6 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 02/04/2010					

LM Start	11.35	Rating **	M	Issue No.	616 (cont)
LM End	11.35	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_6424.jpg



Outlet concrete headwall and gates on waterward toe.

Photo 3 of 3 : UCIP_FA_2015_6425.jpg



Overview of levee crown at crossings.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	11.43	Rating **	M	Issue No.	617
LM End	11.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.801683 °	37.801683 °
				-121.312001 °	-121.312001 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45463					
DS_ID:53					
EP_NO: 15125					
FS_HLM: 11.57					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

Photo 1 of 3 : UCIP_FA_2015_5791.jpg



LS slope. No indication of pipe.

LM Start	11.43	Rating **	M	Issue No.	617 (cont)
LM End	11.43	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5792.jpg



Vent visible on WS slope. Found partially buried.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	11.43	Rating **	M	Issue No.	617 (cont)
LM End	11.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.801683 °	37.801683 °
				-121.312001 °	-121.312001 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45463					
DS_ID:53					
EP_NO: 15125					
FS_HLM: 11.57					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP_FA_2015_5793.jpg



Vent visible on WS slope. Found partially buried.

LM Start	11.63	Rating **	M	Issue No.	618
LM End	11.63	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.798766 °	37.798766 °
				-121.312135 °	-121.312135 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45716 DS_ID:286 EP_NO: 15053 FS_HLM: 11.78 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to determine disposition of pipe. FIELD_STRUCT_DESC: 8-inch diameter pipe through levee. Invert of pipe is 4.33 feet below levee crown. Siphon breaker on waterward shoulder. Pump on waterward berm, standpipe at bottom of direct approach ramp. (Permit No.15053-1990) FS Date: 03/25/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
---	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	12.14	Rating **	M	Issue No.	619
LM End	12.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793831 °	37.793831 °
				-121.305989 °	-121.305989 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45464 DS_ID:56 EP_NO: 15318 FS_HLM: 12.288 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Crossings appears to be abandoned. Need to contact owner to determine status of crossing. If abandoned, it should be done so properly. FIELD_STRUCT_DESC: 20 inch diameter steel storm drain discharge pipeline through levee 3.4-feet below levee crown. Air vent in 12-inch steel riser found on the landward shoulder. Electric service riser on waterward berm has been removed, Permit No. 15318, 1989. FS Date: 05/21/2015					

Photo 1 of 3 : UCIP_FA_2015_5794.jpg



View of WS at crossing.

LM Start	12.14	Rating **	M	Issue No.	619 (cont)
LM End	12.14	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5795.jpg



View of LS at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	12.14	Rating **	M	Issue No.	619 (cont)
LM End	12.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793831 °	37.793831 °
				-121.305989 °	-121.305989 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45464					
DS_ID:56					
EP_NO: 15318					
FS_HLM: 12.288					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP_FA_2015_5796.jpg



Vent in steel riser on LS shoulder.

LM Start	12.14	Rating **	M	Issue No.	620
LM End	12.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793831 °	37.793831 °
				-121.305989 °	-121.305989 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40702 DS_ID:806 EP_NO: N/A FS_HLM: 12.2887 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No pipe found during site visit only air valve and power meter. Dense vegetation along waterward slope recommend clearing vegetation from slope to conduct proper pipe inspection. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. FIELD_STRUCT_DESC: *REMOVED* 20-inch Steel drain pipe through the levee 5-feet below the crown. Siphon breaker in steel riser on WS shoulder and a flap gate on the WS toe Permit No. 3799, 1961. Pipe removed under Permit No. 15318, 1989. Drainage or Irrigation Structure referenced in O&M manual (HLM 12.16). (USACE O&M, 1963) FS Date: 02/04/2010					

Photo 1 of 3 : UCIP_FA_2015_6429.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	12.14	Rating **	M	Issue No.	620 (cont)
LM End	12.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793831 °	37.793831 °
				-121.305989 °	-121.305989 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40702 DS_ID:806 EP_NO: N/A FS_HLM: 12.2887 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No pipe found during site visit only air valve and power meter. Dense vegetation along waterward slope recommend clearing vegetation from slope to conduct proper pipe inspection. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. FIELD_STRUCT_DESC: *REMOVED* 20-inch Steel drain pipe through the levee 5-feet below the crown. Siphon breaker in steel riser on WS shoulder and a flap gate on the WS toe Permit No. 3799, 1961. Pipe removed under Permit No. 15318, 1989. Drainage or Irrigation Structure referenced in O&M manual (HLM 12.16). (USACE O&M, 1963) FS Date: 02/04/2010					

LM Start	12.14	Rating **	M	Issue No.	620 (cont)
LM End	12.14	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_6430.jpg



Overview of levee crown at crossing.

Photo 3 of 3 : UCIP_FA_2015_6465.jpg



Dense vegetation along waterward slope--abandoned electrical box is visible through dense vegetation.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	12.14	Rating **	M	Issue No.	621
LM End	12.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793779 °	37.793779 °
				-121.305984 °	-121.305984 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40703					
DS_ID:799					
EP_NO: N/A					
FS_HLM: 12.2924					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	12.14	Rating **	M	Issue No.	621 (cont)
LM End	12.14	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_6466.jpg



View of landward side, photo 1 of 2.

Photo 2 of 3 : UCIP_FA_2015_6467.jpg



View of landward side, photo 2 of 2.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	12.14	Rating **	M	Issue No.	621 (cont)
LM End	12.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793779 °	37.793779 °
				-121.305984 °	-121.305984 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40703					
DS_ID:799					
EP_NO: N/A					
FS_HLM: 12.2924					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_6468.jpg



Overview of levee crown at crossings.

LM Start	12.14	Rating **	M	Issue No.	622
LM End	12.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793766 °	37.793766 °
				-121.305986 °	-121.305986 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45993 DS_ID:800 EP_NO: 15845 FS_HLM: 12.293 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing and obtain additional information about crossing (permit and install date). FIELD_STRUCT_DESC: 2 of 2. 12 inch drainage pipe through levee at unknown depth. Concrete "U" wall located on waterward side. Flap gate on waterward side. 8-4 inch steel coated scheduled 40 pipes located on waterward shoulder about 6 inch cover. Seepage berm located on landward side. FS Date: 02/04/2010					

Photo 1 of 3 : UCIP_FA_2015_6469.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	12.14	Rating **	M	Issue No.	622 (cont)
LM End	12.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793766 °	37.793766 °
				-121.305986 °	-121.305986 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:45993
 DS_ID:800
 EP_NO: 15845
 FS_HLM: 12.293
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Need to contact owner to determine status of crossing and obtain additional information about crossing (permit and install date).
 FIELD_STRUCT_DESC: 2 of 2. 12 inch drainage pipe through levee at unknown depth. Concrete "U" wall located on waterward side. Flap gate on waterward side. 8-4 inch steel coated scheduled 40 pipes located on waterward shoulder about 6 inch cover. Seepage berm located on landward side.
 FS Date: 02/04/2010

LM Start	12.14	Rating **	M	Issue No.	622 (cont)
LM End	12.14	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_6470.jpg



Overview of levee crown at crossing.

Photo 3 of 3 : UCIP_FA_2015_6471.jpg



8-4 inch steel coated schedule 40 pipes with about 6 inch of cover.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	12.41	Rating **	M	Issue No.	623
LM End	12.41	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.789976 °	37.789976 °
				-121.306853 °	-121.306853 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40706					
DS_ID:807					
EP_NO: N/A					
FS_HLM: 12.5662					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	12.41	Rating **	M	Issue No.	623 (cont)
LM End	12.41	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5515.jpg



View of waterward toe--rip rap along pipe alignment.

Photo 2 of 3 : UCIP_FA_2015_5516.jpg



Non-functional crossing pipe disconnected.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	12.41	Rating **	M	Issue No.	623 (cont)
LM End	12.41	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.789976 °	37.789976 °
				-121.306853 °	-121.306853 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40706					
DS_ID:807					
EP_NO: N/A					
FS_HLM: 12.5662					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_6120.jpg



Overview of levee crown at crossing.

LM Start	12.55	Rating **	M	Issue No.	624
LM End	12.55	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.787929 °	37.787929 °
				-121.307173 °	-121.307173 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40707					
DS_ID:60					
EP_NO: 14326					
FS_HLM: 12.7115					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Wires exposed near levee crown unable to determine if these wires are part of the crossing. Need to contact owner to determine status of crossing.					
FIELD_STRUCT_DESC: 4 inch diameter communication cable through levee. Invert of conduit is 3.0 feet below levee crown. (Permit No. 14326-1986)					
FS Date: 02/04/2010					

Photo 1 of 3 : UCIP_FA_2015_5517.jpg



Conduit marker on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	12.55	Rating **	M	Issue No.	624 (cont)
LM End	12.55	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.787929 °	37.787929 °
				-121.307173 °	-121.307173 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:40707
 DS_ID:60
 EP_NO: 14326
 FS_HLM: 12.7115
 Repair Type: Non-Urgent
 Crossing Status: Indicator Found
 UCIP Comments: Wires exposed near levee crown unable to determine if these wires are part of the crossing. Need to contact owner to determine status of crossing.
 FIELD_STRUCT_DESC: 4 inch diameter communication cable through levee. Invert of conduit is 3.0 feet below levee crown. (Permit No. 14326-1986)
 FS Date: 02/04/2010

LM Start	12.55	Rating **	M	Issue No.	624 (cont)
LM End	12.55	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5518.jpg



Crossing alignment along landward side.

Photo 3 of 3 : UCIP_FA_2015_5519.jpg



Overview of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	12.68	Rating **	M	Issue No.	625
LM End	12.68	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.786343 °	37.786343 °
				-121.306157 °	-121.306157 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45466					
DS_ID:808					
EP_NO: 2366					
FS_HLM: 12.84					
Repair Type: Non-Urgent					
Crossing Status: Found					

No Photos

LM Start	13.26	Rating **	M	Issue No.	626
LM End	13.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779653 °	37.779653 °
				-121.300064 °	-121.300064 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40712 DS_ID:65 EP_NO: 14450 FS_HLM: 13.4304 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 1 of 2: 18 inch diameter drainage discharge pipes through levee. (Permit No. 14450-1985) FS Date: 02/04/2010					

Photo 1 of 3 : UCIP_FA_2015_5523.jpg



Pipe section exposed on landward side.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	13.26	Rating **	M	Issue No.	626 (cont)	
LM End	13.26	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.779653 °	37.779653 °	
				-121.300064 °	-121.300064 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:40712						
DS_ID:65						
EP_NO: 14450						
FS_HLM: 13.4304						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Need to contact owner to determine status of crossing.						
FIELD_STRUCT_DESC: 1 of 2: 18 inch diameter drainage discharge pipes through levee. (Permit No. 14450-1985)						
FS Date: 02/04/2010						

Photo 2 of 3 : UCIP_FA_2015_5524.jpg



View of landward side.

LM Start	13.26	Rating **	M	Issue No.	626 (cont)
LM End	13.26	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP_FA_2015_5525.jpg



View of waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	13.26	Rating **	M	Issue No.	627
LM End	13.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779643 °	37.779643 °
				-121.300057 °	-121.300057 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40713					
DS_ID:287					
EP_NO: 14450					
FS_HLM: 13.431					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_5522.jpg



Pipes visible on waterward side.

LM Start	13.26	Rating **	M	Issue No.	627 (cont)
LM End	13.26	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_6233.jpg



Precast concrete box located on levee shoulder.

LM Start	13.26	Rating **	M	Issue No.	627 (cont)
LM End	13.26	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP_FA_2015_6235.jpg



Sections of protective wrap missing near waterward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	13.27	Rating **	M	Issue No.	628
LM End	13.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779546 °	37.779546 °
				-121.299981 °	-121.299981 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40714					
DS_ID:66					
EP_NO: 14467					
FS_HLM: 13.4387					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_6234.jpg



Control box and distribution box located on waterward shoulder.

LM Start	13.27	Rating **	M	Issue No.	628 (cont)
LM End	13.27	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_6275.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	13.27	Rating **	M	Issue No.	628 (cont)
LM End	13.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779546 °	37.779546 °
				-121.299981 °	-121.299981 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40714					
DS_ID:66					
EP_NO: 14467					
FS_HLM: 13.4387					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_6276.jpg



Overview of levee crown at crossing.

LM Start	13.28	Rating **	M	Issue No.	629
LM End	13.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779470 °	37.779470 °
				-121.299954 °	-121.299954 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40715 DS_ID:809 EP_NO: N/A FS_HLM: 13.4439 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No information was obtained from desk study. This crossing was found during field visit. Need to contact owner to obtain additional details about crossing (installation date and permit) and status. FIELD_STRUCT_DESC: *ABANDONED* 18-inch pipe through the levee, 5.8 feet below the crown. Gate valve and siphon breaker on the waterward slope. Flap gate on the waterward end. One CM cutoff wall (Reclamation District No. 17 Drainage Plant). Pump on the landward side. Installed by USCE 1961. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.36). (USACE O&M, 1963). Welded Steel plate installed over one end of pipe under Permit No. 14450, 1988. FS Date: 02/04/2010					

Photo 1 of 3 : UCIP_FA_2015_6277.jpg



View of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	13.28	Rating **	M	Issue No.	629 (cont)
LM End	13.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779470 °	37.779470 °
				-121.299954 °	-121.299954 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:40715 DS_ID:809 EP_NO: N/A FS_HLM: 13.4439 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No information was obtained from desk study. This crossing was found during field visit. Need to contact owner to obtain additional details about crossing (installation date and permit) and status. FIELD_STRUCT_DESC: *ABANDONED* 18-inch pipe through the levee, 5.8 feet below the crown. Gate valve and siphon breaker on the waterward slope. Flap gate on the waterward end. One CM cutoff wall (Reclamation District No. 17 Drainage Plant). Pump on the landward side. Installed by USCE 1961. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.36). (USACE O&M, 1963). Welded Steel plate installed over one end of pipe under Permit No. 14450, 1988. FS Date: 02/04/2010					

Photo 2 of 3 : UCIP_FA_2015_6278.jpg



View of waterward side, photo 2 of 2.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	13.28	Rating **	M	Issue No.	629 (cont)
LM End	13.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779470 °	37.779470 °
				-121.299954 °	-121.299954 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:40715
 DS_ID:809
 EP_NO: N/A
 FS_HLM: 13.4439
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: No information was obtained from desk study. This crossing was found during field visit. Need to contact owner to obtain additional details about crossing (installation date and permit) and status.
 FIELD_STRUCT_DESC: *ABANDONED* 18-inch pipe through the levee, 5.8 feet below the crown. Gate valve and siphon breaker on the waterward slope. Flap gate on the waterward end. One CM cutoff wall (Reclamation District No. 17 Drainage Plant). Pump on the landward side. Installed by USCE 1961. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.36). (USACE O&M, 1963). Welded Steel plate installed over one end of pipe under Permit No. 14450, 1988.
 FS Date: 02/04/2010

Photo 3 of 3 : UCIP_FA_2015_6279.jpg



View of waterward side, photo 1 of 2.

LM Start	13.28	Rating **	M	Issue No.	630
LM End	13.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779470 °	37.779470 °
				-121.299954 °	-121.299954 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:45995
 DS_ID:67
 EP_NO: N/A
 FS_HLM: 13.41
 Repair Type: Non-Urgent
 Crossing Status: Indicator Found
 UCIP Comments: Markers visible on landward side only. Recommend contacting owner to confirm alignment and crossing.
 FIELD_STRUCT_DESC: Submarine power cable through the levee and across the channel.
 FS Date: 02/04/2010

Photo 1 of 2 : UCIP_FA_2015_5520.jpg



Markers visible along landward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	13.28	Rating **	M	Issue No.	630 (cont)	
LM End	13.28	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.779470 °	37.779470 °	
				-121.299954 °	-121.299954 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:45995						
DS_ID:67						
EP_NO: N/A						
FS_HLM: 13.41						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Markers visible on landward side only. Recommend						
contacting owner to confirm alignment and crossing.						
FIELD_STRUCT_DESC: Submarine power cable through the levee and						
across the channel.						
FS Date: 02/04/2010						

Photo 2 of 2 : UCIP_FA_2015_5521.jpg



View of levee crown at crossing.

LM Start	14.20	Rating **	M	Issue No.	631
LM End	14.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.772267 °	37.772267 °
				-121.290202 °	-121.290202 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40716 DS_ID:69 EP_NO: 15165 FS_HLM: 14.3852 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump was working during the survey. Levee toe erosion at waterward side. Recommend contacting owner to determine status and to evaluate erosion at waterward toe. FIELD_STRUCT_DESC: 20-inch pipe through the levee, 1.7-feet below the crown. Pump on pile structure in the stream. Wooden walkway to the pump. concrete distribution box at the toe of the landward slope. (Permit No. 15165-1989) FS Date: 02/04/2010					

Photo 1 of 3 : UCIP_FA_2015_6280.jpg



Scour hole located immediately upstream from crossing.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	10/15/2015 10/15/2015	Richard Willoughby

LM Start	14.20	Rating **	M	Issue No.	631 (cont)	
LM End	14.20	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.772267 °	37.772267 °	
				-121.290202 °	-121.290202 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:40716 DS_ID:69 EP_NO: 15165 FS_HLM: 14.3852 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump was working during the survey. Levee toe erosion at waterward side. Recommend contacting owner to determine status and to evaluate erosion at waterward toe. FIELD_STRUCT_DESC: 20-inch pipe through the levee, 1.7-feet below the crown. Pump on pile structure in the stream. Wooden walkway to the pump. concrete distribution box at the toe of the landward slope. (Permit No. 15165-1989) FS Date: 02/04/2010						

Photo 2 of 3 : UCIP_FA_2015_6281.jpg



Pipe operable during survey.

Photo 3 of 3 : UCIP_FA_2015_6328.jpg



Overview of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--